BNSF Railway

Big Freight in Our Big State 7th Annual Texas Transportation Forum





Agenda

- About BNSF
- TransCon Corridor
- MidCon Corridor
- Rail Freight Outlook



BNSF Railway System

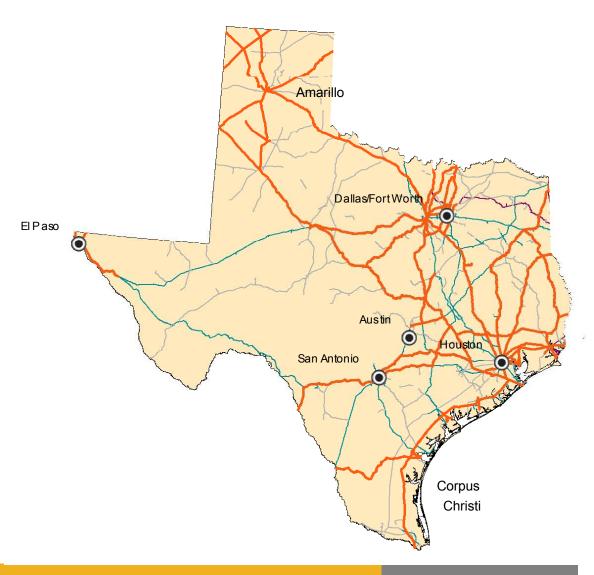


About BNSF

- Largest North American freight railroad (units)
- \$17B revenue in 2010
- Serving 28 western US states and two Canadian provinces
- 32,000 miles
- 40,000 employees
- Owned by Berkshire Hathaway (February 2010)
- Headquartered in Fort Worth, TX

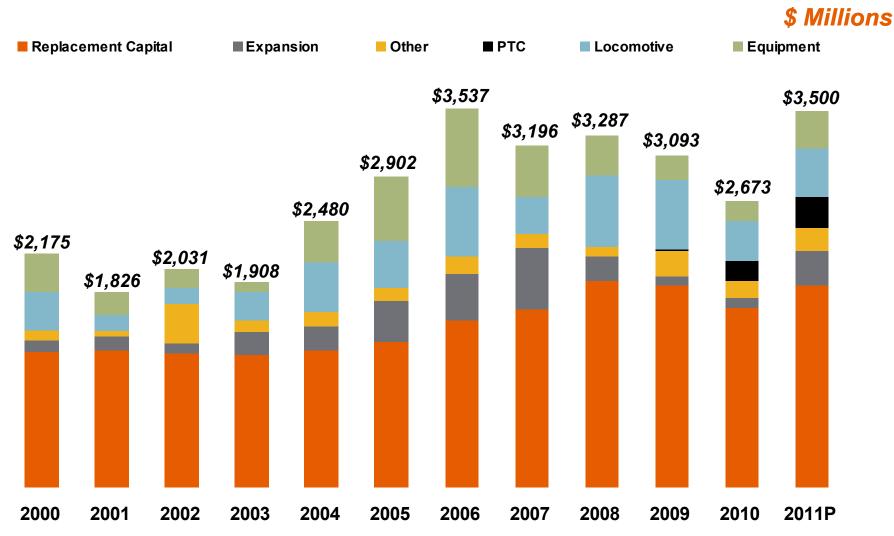


BNSF in Texas





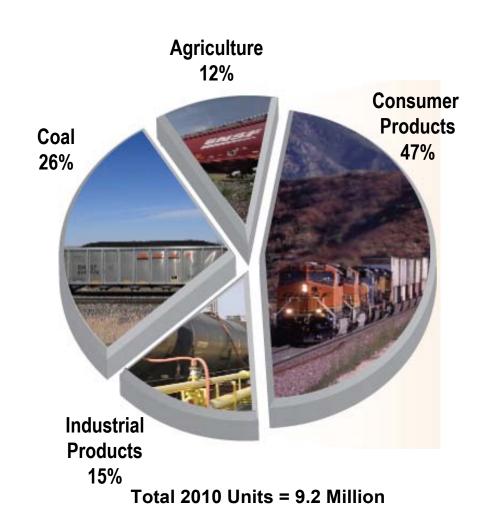
BNSF Capital Commitments





BNSF Freight Markets

- North America's leading intermodal railroad
- World's largest grain hauling railroad
- The second largest coal hauling railroad
- Premier transporter of building materials
- Leading transporter of imported automobiles





Many Forms of Competition . . .

Railroads face many forms of competition

Forms of Competition			
Modal Carriers (A to B)	Rail		
	Truck		
	Barge		
Alternatives	Source Location		
	Port Routing		
	Product Substitution		



... Which Vary by Business Unit

Forms of Competition		Rail Business Unit			
		Coal	Ag.	Indust.	IM
Modal Carriers (A to B)	Rail	X	X	X	X
	Truck	X	X	X	X
	Barge	X	X	X	X
Alternatives	Source Location	X	X	X	X
	Port Routing	X	x	X	X
	Product Substitution	X	x	X	X

X Primary

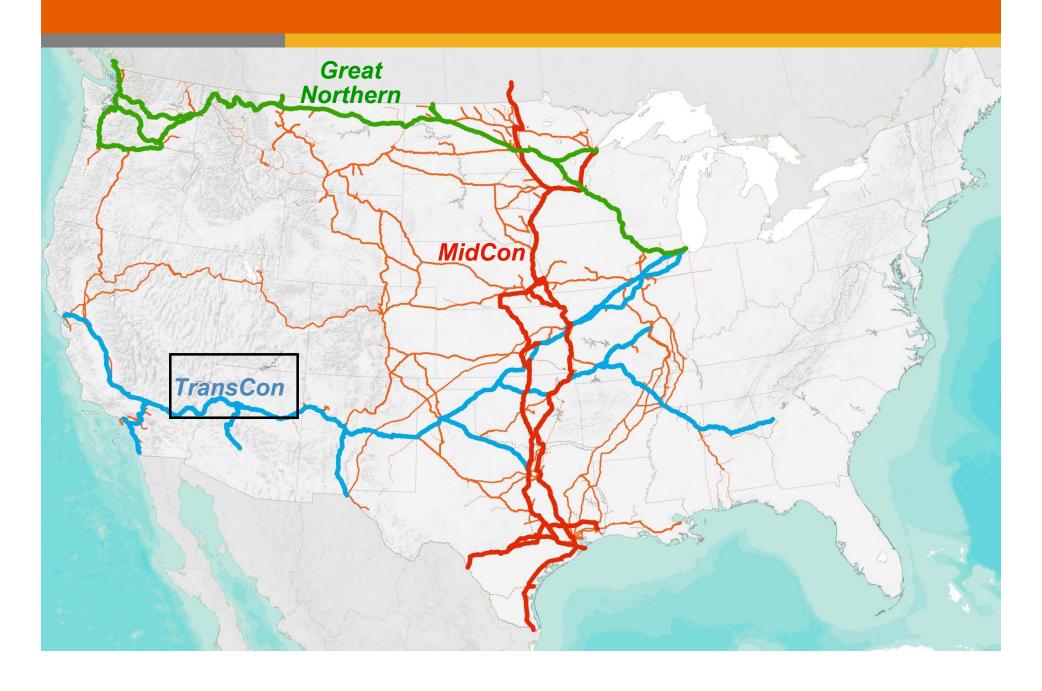
x Secondary



BNSF Corridors of Commerce

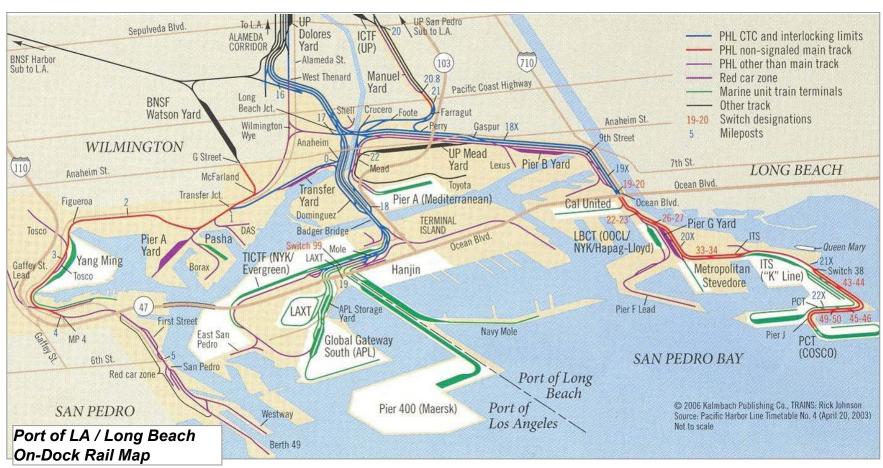


BNSF Corridors of Commerce



LA/LB On-Dock Rail Facilities

Alameda Corridor connects 10 LA/LB rail terminals with BNSF and UP's network, reducing street truck traffic to near-dock and off-dock rail terminals





Sources: Trains Magazine

Southern California International Gateway



Moving Mountains for the Supply Chain



Logistics Park Chicago





2013: Logistics Park Kansas City

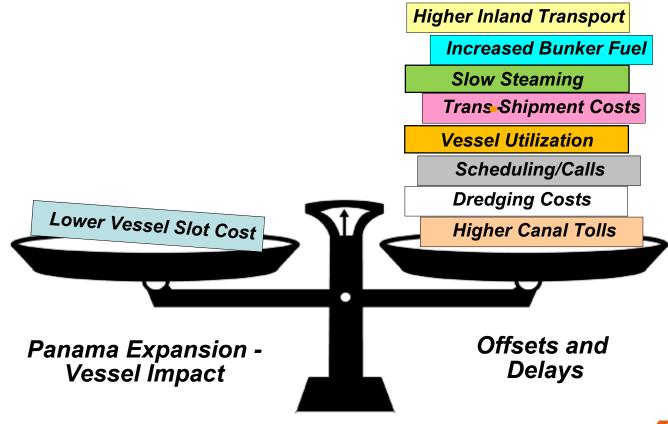




Port Challenge: Panama Expansion '14

East Coast vs. West Coast port impact will be limited by shipper situational factors, cost trade-offs, and competitive response.

Cost Trade-Offs

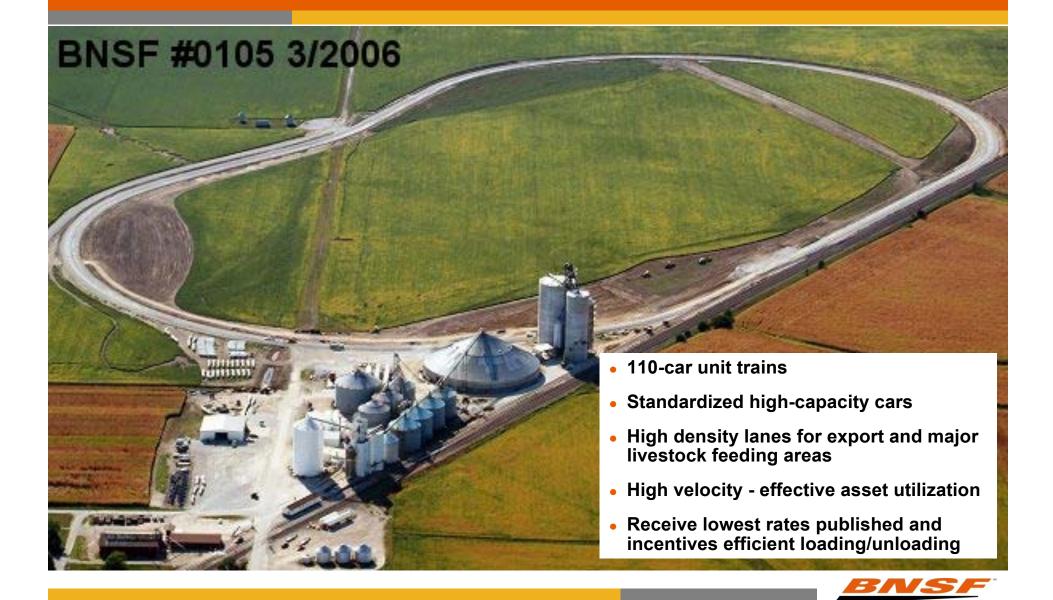




BNSF Corridors of Commerce



Grain Shuttle Program: Elevator

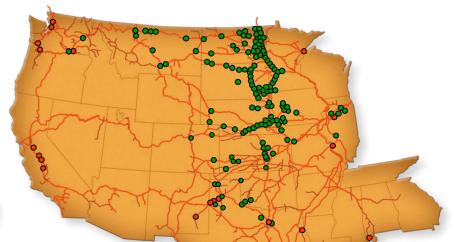


BNSF Grain Shuttle Network

2000



- 77 Origins
- 33 US Destinations
- 8 Mexico Shuttle Destinations



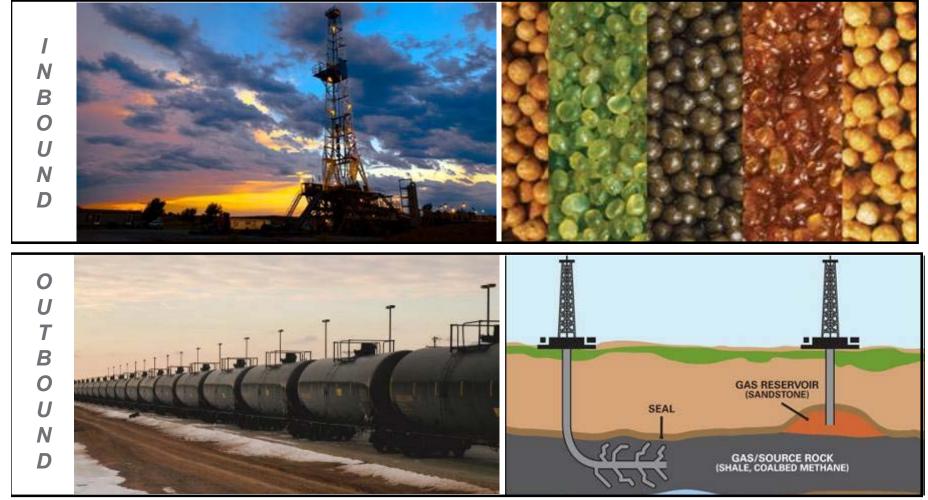
2011

- 177 Origins
- 78 Destinations
- 31 Mexico Shuttle Destinations



Serving the Shale Markets

Volume growth in both inbound and outbound shale-related commodities





U.S. Rig Locations



Consumption Per Rig – In Railcars

- Rail longhaul, truck delivery to rig
- Each well requires:
 - 4-6 railcars of OCTG
 - 15-30+ railcars of sand
 - 1 railcar of calcium chloride
 - 1 railcar of barite
 - ½ railcar of cement
- 178 horizontal rigs operating in North Dakota (up ~ 100% vs. 2010)

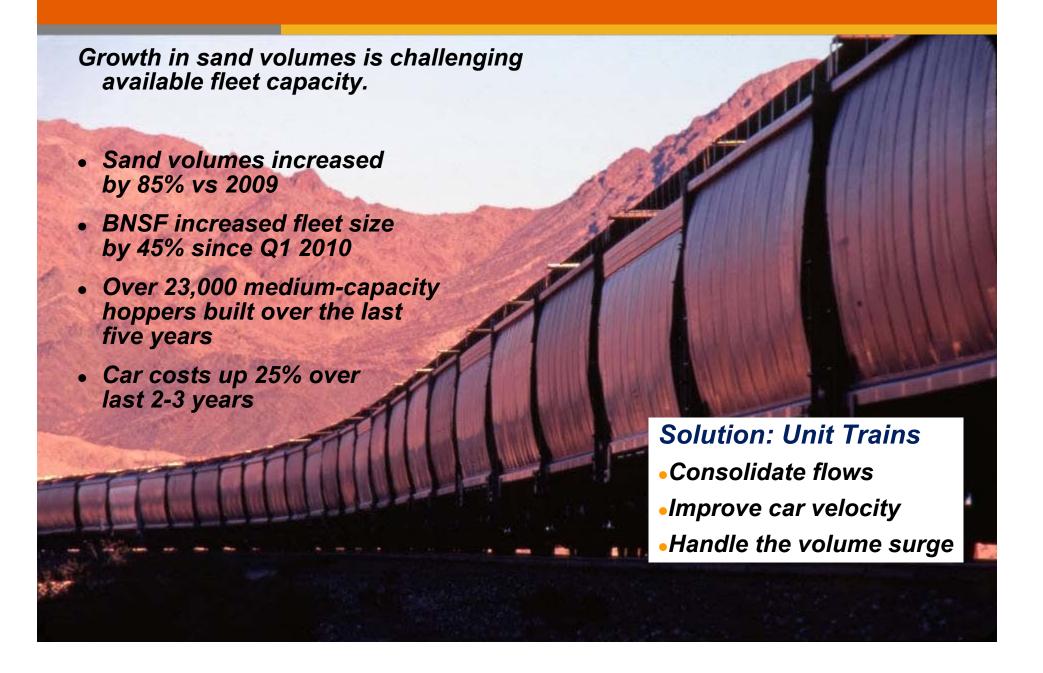




Primary BNSF Frac Sand Flows



Sand Volumes Stress

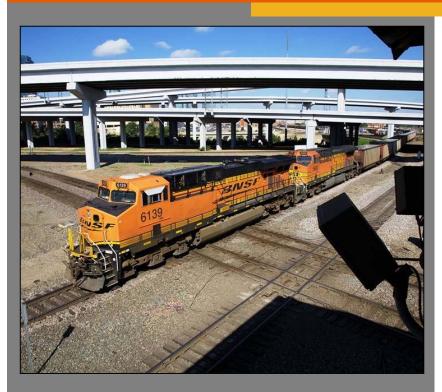


Crude Oil by Rail – Rolling Pipelines

- Unit trains
- Competes with pipelines
- Loading/unloading facilities expanding rapidly



Tower 55 – Fort Worth, TX



The Tower 55 Project creates over \$30 in public benefits per public dollar committed.

Impact:

- Greater volume through the diamond

 approximately 34 percent capacity increase
 current volume
- Improved safety and livability
- Reduced train and vehicle delay
- Better air quality and greater fuel savings
- Job creation and economic stimulus
 \$600 million to \$1 billion in public benefits

Project Funding:

NCTCOG/The T	\$ 2.5M
City of Fort Worth	\$ 1.0M
TxDOT	\$ 1.0M
USDOT (TIGER II)	\$34.0M
BNSF + UP	<u>\$65.3M</u>
Total Project Costs	\$103.8M



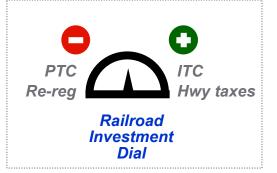
Corridors and Public Policy

To keep the U.S. supply chain strong, transportation policy must:

Support the Intermodal Freight Marketplace

Expand

Structure tax & regulatory policy to encourage private investment



Maintain

Manage & mitigate freight intensity

to allow growth:

- Grade separations
- Yard relocations
- Reduce environmental impacts

Prioritize

Focus highway investment to support intermodal:

- Intermodal & port connectors
- Interstate collectors
- Consider rail corridor options for highway expansion



Outlook: Growth and Challenges

2030 Growth Projections

- Population to grow to 364 million
- Vehicle miles travelled to grow by 150 percent
- Freight rail to increase by 92 percent

Challenges

- No national freight priority
- No capacity growth
- Congestion across all modes
- Increasing fuel costs
- Lengthening supply chains
- Increased environmental requirements

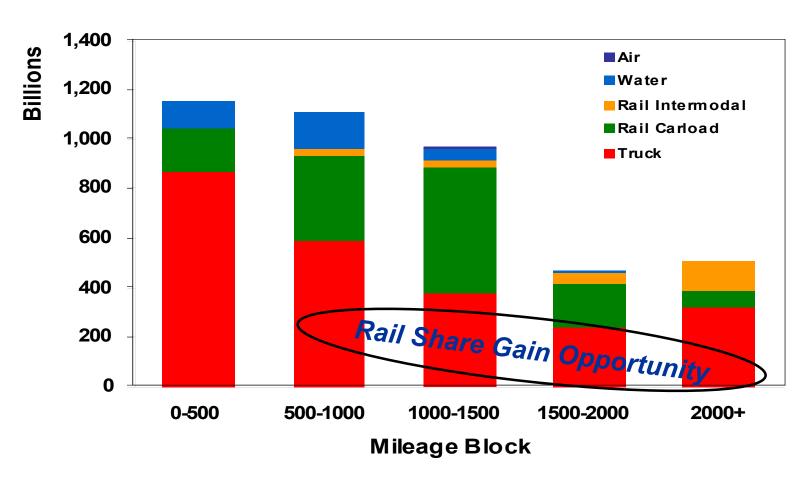






Rail Freight Future: Mode Optimization

Intercity Freight Ton-Miles by Mode and Mileage Block, 2007



Source: IHS Global Insight Transearch database, 2007

